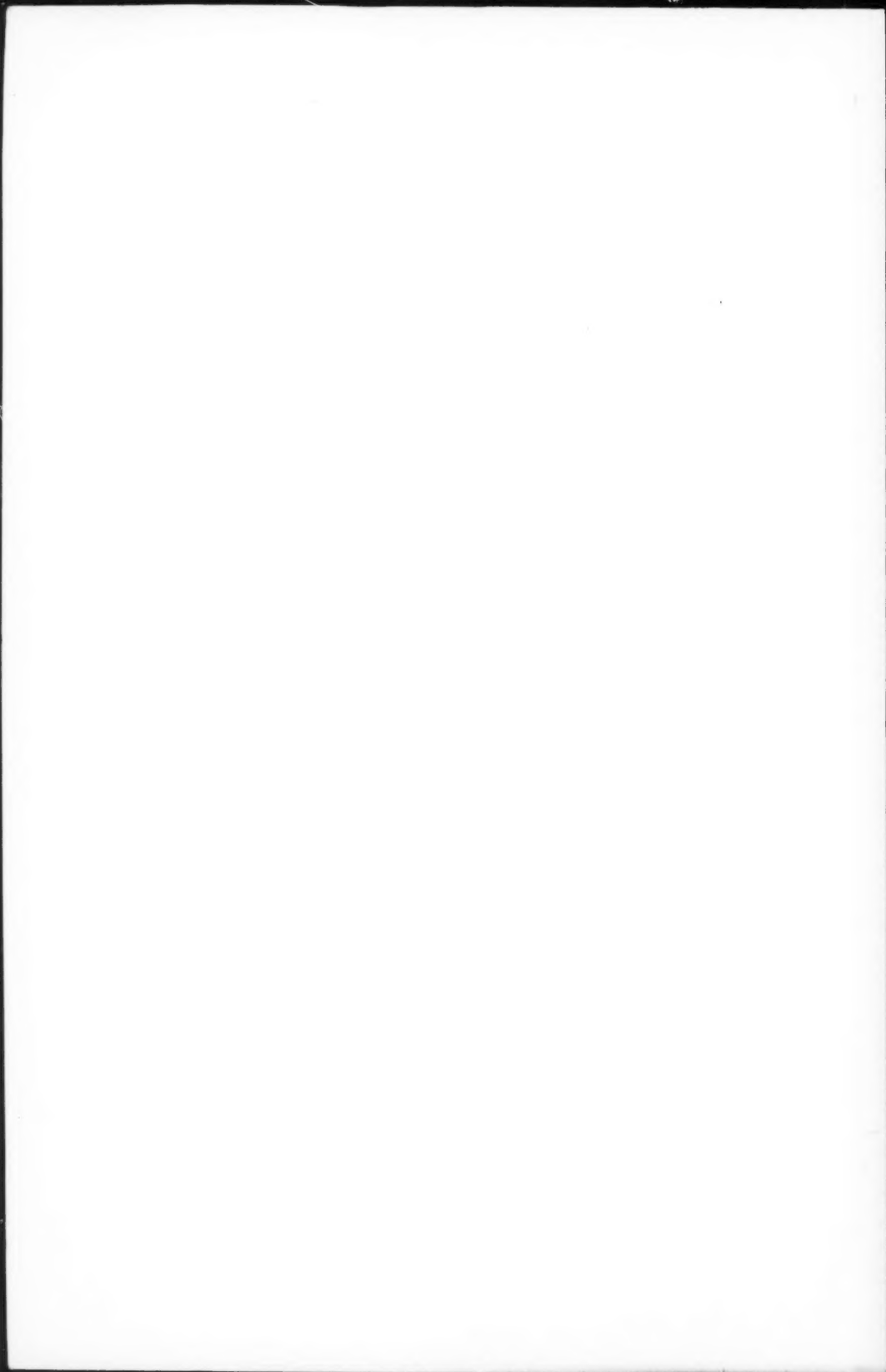


ASCE

1965

COMBINED INDEX





1966/1

ASCE

1965

COMBINED INDEX



*Journals (Proceedings)
Civil Engineering
and
Transactions*

March, 1966/\$2.00



INDEX TO 1965 ASCE PERIODICAL PUBLICATIONS

FOREWORD

The 1965 Index, which provides a guide to information published by ASCE during 1965, combines material appearing in the Journals (Proceedings Vol. 91), CIVIL ENGINEERING (Vol. 35), and Transactions (Vol. 130).

The user will find all articles and papers dealing with specific subject areas listed under one or more appropriate subject headings suggested by the content and application of the paper. The Engineers Joint Council "Thesaurus of Engineering Terms" has been used as the primary source of index terms. Additional terms not presently in the Thesaurus have been used when necessary.

The Index can be used in conjunction with the information-retrieval cards printed in the front of each journal. The underlined key words on the information-retrieval abstracts are the words used as index terms in the 1965 Index.

The name index contains entries indexed under the names of authors, co-authors, discussers, chairmen of committees preparing reports, and deceased members, whose memoirs appeared in Transactions.

In the name index, the entry for a Proceedings paper (under the first named if more than one author) is supplemented by information concerning the discussion, closure, and Transactions Digest, if applicable. To find what discussion, if any, there has been for Proceedings papers located in the subject index, the reader looks under the entry for the first-named author in the name index. When discussion of a paper from a prior year is published, the original entry is repeated. Discussion over a period of time can be traced until the closure to the paper is located.

Discussions of CIVIL ENGINEERING items are noted in the subject index as well as in the name index under the discussor's name.

When the paper appears in Transactions, the complete entry including original paper, discussion, closure, and errata, if applicable, and Transactions citation appears in the name index. The subject entry contains a citation to the original paper and the Transactions reference.

Typical abbreviations used herein are:

Dsc for discussion,
Clo for closing discussion,
Corr for corrections,
Chmn for Chairman of a committee submitting a report, and
TR for Transactions.

Division Abbreviations: Aero-Space Transport (AT), Construction (CO), Engineering Mechanics (EM), Highway (HW), Hydraulics (HY), Irrigation and Drainage (IR), Pipeline (PL), Power (PO), Sanitary Engineering (SA), Soil Mechanics and Foundations (SM), Structural (ST), Surveying and Mapping (SU), Urban Planning and Development (UP), and Waterways and Harbors (WW). Papers sponsored by the Department of Conditions of Practice are identified by the symbols (PP).

The original publication can be found from the index entry as follows: Papers appearing in the Journals (Proceedings) are listed as:

HY1: Jan 65:59:4875

which would indicate a paper published in the Journal of the Hydraulics Division, January, 1965, on page 59, as Proceedings Paper 4875.

The Transactions entry

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California--City of Hayward starts program to interest students in a civil engineering career, CE:May 65:89

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- Civil Engineering Education, William H. Wisely, CE:Oct 64:37
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- Civil Engineering Education That Is, Chester A. Moore, PP2:Sep 65:40:4478
Continuing Education, William H. Wisely, CE:Feb 65:31
- Current Problems in Property Location, Ira M. Tillotson and Charles E. Snyder, SU2:Sep 65:1:4465
- Educational Considerations for Environmental Engineering, Robert L. Smith, HY1:Jan 65:9:4191
- Education for Sanitary Engineers, E. Sherman Chase, PP2:May 64:15:3894
TR:130:801
- Effect of the Space Age on the Engineering Profession, R.W. Johnson, PP1:Jan 64:1:3747
TR:130:247
- Engineering Education--from the Practitioner's Viewpoint, Joseph S. Ward, CE:Feb 65:58
Dsc: M.D. Morris, CE:Apr 65:80; G.P. Tschebotarioff, Apr 65:80
- Dsc. James K. Finch, CE:Apr 64:64, on a dangerous trend in engineering education
Dsc: J.W. Huber, CE:Jun 64:78; William H. Gotolski, Jun 64:78; T.H. Evans, Sep 64:68; reply by J.K. Finch, Nov 64:71; Adolph J. Ackerman, Nov 64:71; Shy-T'ien Li, Feb 65:69
- Improved Inspection on the West Coast, John Steinbrugge, CE:Oct 65:79
- Interdisciplinary Education for Urban Planning, Harold L. Michael, PP1:Jan 64:29:3751
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- Model Balsa-Wood Bridges in Education, Boyd C. Ringo, CE:Feb 64:48
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- Ph. D. and P.E. in Civil Engineering Education, Ross E. McKinney, CE:Mar 65:48
Dsc: Asit K. Biswas, CE:Jul 65:76
- Preliminary report on goals of engineering education available from American Society for Engineering Education, CE:Nov 65:103
- Professional Development-The Student's Responsibility, James R. Wright, PP1:Jan 64:9:3748
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- Professional Development, the Younger Viewpoint (Symposium)--In Teaching, Russel C. Jones, CE:Apr 64:56
TR:130:284
- Teaching Engineering Attitude to Students, Malcolm S. Gregory, PP1:Jan 65:1:4189
- The Civil Engineer and His Education, Wallace L. Chadwick, CE:Sep 65:31
- Dsc by James A. Brower, on non-availability of graduate courses, of "The Younger Viewpoint," CE:Mar 65:78
- The Scope of Civil Engineering, Charles L. Miller, CE:Aug 64:73
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- Where Is Engineering Education Today?--from the Educator's Viewpoint, Gene M. Nordby, CE:Feb 65:56
Dsc: M.D. Morris, CE:Apr 65:80

World Congress on Engineering Education meets in Chicago, June 21-25, CE:Jun 65:79
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Natural Drainage of River Valleys, Hammad Y. Hammad, IR2:Jun 65:39:4360

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- Analysis Comparisons for Single Curved Shell Roofs, Paul E. Maat, ST2:Apr 65:1:4282
- Analysis of Orthotropic Plate Bridges, Rodney J. Clifton, Jerry C.L. Chang, and Tung Au, ST5:Oct 63:133:3675
TR:130:139
- Analysis of Short Folded Plates, Max Reiss and Michael Yitzhak, ST5:Oct 65:233:4516
- Analysis of Short Span Folded Plates, Kaveti Seetharamulu and Mangesh G. Kulkarni, ST3:Jun 64:165:3939
TR:130:699
- Axisymmetrical Deflections of Shallow Conical Shells, G.A. Wempner, EM2:Apr 64:181:3877
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- Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63:17:3665
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- Buckling of Elastically Restrained Columns, German Gurfinkel and Arthur R. Robinson, ST6:Dec 65:159:4574
- Buckling of Steel Columns Under Arbitrary End Loads, Seng-Lip Lee and G.F. Hauck, ST2:Apr 64:179:3872
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- Comparison of Simplified Theories for Folded Plates, Craham H. Powell, ST6:Dec 65:1:4552
- Coupled Vibrations of Thin-Walled Elastic Bars, Wai Keung Tso, EM3:Jun 65:33:4358
- Creep Buckling of Slender Columns, Jose N. Distefano, ST3:Jun 65:127:4369
- Design of Prestressed Concrete Buildings for Earthquake Resistance, T.Y. Lin, ST5:Oct 65:1:4488
- Dynamic Analysis of Elastic-Plastic Frames, Arthur C. Heidebrecht, Seng-Lip Lee, and John F. Fleming, ST2:Apr 64:315:3881
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- Dynamic Response of a Lined Rigid Inclusion, Shui Ho and Robert J. Hansen, EM5:Oct 65:155:4521
- Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6:Dec 63:217:3736
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- Elastic Plates Subjected to Moving Heat Sources, Ardeshir Jahanshahi, EM4:Aug 65:27:4426
- Elastic Stability of Radially Nonhomogeneous Rings, S. Russell Keim, EM4:Aug 65:115:4447
- Finite Beam-Columns on Elastic Foundation, K.T. Sundara Raja Iyengar and S. Anantharamu, EM6:Dec 63:139:3720
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- Finite Element Analysis of Axi-Symmetric Solids, Ray W. Clough and Yusef Rashid, EM1:Feb 65:71:4229

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Foundation Modulus Tests for Karadj Arch Dam, W.A. Waldorf, J.A. Veltrop, and J.J. Curtis, SM4:Jul 63:91:3576
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Inelastic Lateral-Torsional Buckling of Beam Columns, Constanco Miranda and Morris Ojalvo, EM6:Dec 65:21:4563
Load-Deformation Behavior of Shells of Revolution, Steven C. Batterman, EM6:Dec 64:1:4167
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Response of Elastic Cylinders to Plane Shear Waves, Lawrence J. Mente and Francis W. French, EM5:Oct 64:103:4083
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Restraints Against Elastic Lateral Buckling, Lewis C. Schmidt, EM6:Dec 65:1:4561
Spherical Elastic Plastic Shock Propagation, Morton B. Friedman, Hans H. Bleich, and Raymond Parnes, EM3:Jun 65:189:4377
Stability of Structures with Small Imperfections, John Roorda, EM1:Feb 65:87:4230
Stresses in a Layered Half-Plane, K.T. Sundara Raja Iyengar and R.S. Alwar, EM4:Aug 64:79:4004
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Stresses in a Uniformly Loaded Two-Layer Circular Plate, Martin A. Goldberg, Malcolm Newman, and Marvin J. Forray, EM3:Jun 65:13:4356
Wave Propagation in Elastic-Plastic Solids, R.L. Bjork and C.Y. Liu, EM5:Oct 65:77:4506

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Aesthetic Design of Electric Distribution Lines, Thomas A. Bettersworth, UP1:Jul 65:31:4400

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Massachusetts--Contract let for NASA's Electronics Research Center in Cambridge, CE:Feb 65:83

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Interest on Capital Invested in Construction, J.F. Muir and Eugen Ruus, PO1:Sept 63:1:3622
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Philosophy of Engineering Design of Structures, Malcolm S. Gregory, ST6:Dec 63:119:3722
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Shapes for Appurtenances in Stilling Basins, Narayana N. Pillai and T.E. Unny, HY3:May 64:1:3888
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A Method to Increase the Accuracy of Moire Method, Fu-Pen Chiang, EM1:Feb 65:137:4239

Analog Computer Analysis of Static Beams, Robert E. Sennett, III and John Wait, EM2:Apr 65:47:4303
Analog Simulations of Earthquake Motions, Howard S. Ward, EM5:Oct 65:173:4522
Analysis of a Two-Layer Viscoelastic System, David C. Kraft, EM6:Dec 65:129:4576
Analysis of Laterally Loaded Gridworks, Thein Wah, EM2:Apr 64:83:3865
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Analysis of Spherical Shells with Stress Functions, Ziad M. Elias, EM6:Dec 64:135:4173
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Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, Joseph A. Wattleworth and Paul W. Shuldiner, EM6:Dec 63:97:3729
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Analytic Methods in Transportation: Mathematical Car-Following Theory of Traffic Flow, Denos C. Gazis, Robert Herman, and Richard W. Rothery, EM6:Dec 63:29:3724
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Analytic Methods in Transportation: Planning and Grading Operation for Least Total Cost, L.R. Shaffer, EM6:Dec 63:47:3734
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An Inclined Plume, Garth S. Harris, EM1:Feb 65:7:4215

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A Study of Mechanisms with Application to Frames, Jacques E. Benveniste, EM1:Feb 65:19:4222

Axisymmetrical Deflections of Shallow Conical Shells, G.A. Wempner, EM2:Apr 64:181:3877
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Bending Analysis for Clamped Rectangular Plates, Leonard R. Herrmann, EM3:Jun 64:71:3934
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Bending of Circular Sandwich Plates, Jao-Shiun Kao, EM4:Aug 65:165:4449

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- Biaxial Flexure of Columns by Analog Computers, Sherwood P. Prawel, Jr., and George C. Lee, EM1:Feb 64:83:3805
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- Buckling Behavior of an Inelastic Column, Allan J. Malvick and Lawrence H.N. Lee, EM3:Jun 65:113:4372
- Buckling Loads for Elastically Supported Struts, A. Raymond Toakley, EM3:Jun 65:205:4379
- Buckling of Multistory Buildings, John E. Goldberg, EM1:Feb 65:51:4223
- Calculating Deflections of a Partially Collapsed Frame, Nicholas Perrone and Michael C. Soteriades, EM1:Feb 65:1:4214
- Circular Plates Loaded into the Plastic Region, Leslie M. Lackman, EM6:Dec 64:21:4155
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- Deflection of Hinged Rings Under Uniform Pressure, James A. Cheney, EM6:Dec 63:161:3721
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- Development of Boundary Layers in Buckled Plates, Ernest F. Masur and C.H. Chang, EM2:Apr 64:33:3863
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- Dynamic Changes of Mode in Rigid-Plastic Structures, Barry Rawlings, EM2:Apr 65:1:4283
- Dynamic Instability of a Deep Spherical Shell, Fang-Huai H. Ho, EM3:Jun 65:233:4382
- Dynamic Response Functions, Bruce S. Berger, EM4:Aug 64:131:4017
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- Dynamic Response of a Lined Rigid Inclusion, Shui Ho and Robert J. Hansen, EM5:Oct 65:155:4521
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- Dynamic Response of Beam on Viscoelastic Subgrade, Jan D. Achenbach and Chin-teh Sun, EM5:Oct 65:61:4504
- Dynamic Similitude of Underground Structures, Donald F. Young and Glenn Murphy, EM3:Jun 64:111:3938
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- Dynamic Stability of Axially Vibrating Columns, I.K. McIvor, EM6:Dec 64:191:4177
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- Earthquake Response of a Yielding Structure, Paul C. Jennings, EM4:Aug 65:41:4435
- Elastic and Inelastic Buckling of Portal Frames, Kuang-Han Chu and Algis Pabarcus, EM5:Oct 64:221:4094
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- Elastica Supported at Midpoint by a Spring, George E. Sliter and Arthur P. Boresi, EM2:Apr 64:1:3854
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- Elastic Buckling of Rigidly-Jointed Braced Frames, S.J. Britvec and A.H. Chilver, EM6:Dec 63:217:3736
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- Elastic Plates Subjected to Moving Heat Sources, Ardeshir Jahanshahi, EM4:Aug 65:27:4426
- Elastic Stability of Radially Nonhomogeneous Rings, S. Russell Keim, EM4:Aug 65:115:4447
- Elastic Torsional Analysis of Irregular Shapes, Leonard R. Herrmann, EM6:Dec 65:11:4562
- Experimental Buckling of Thin Shells of Revolution, John J. Burns, Jr., EM3:Jun 64:171:3946
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- Experiments on Stability on Spherical Caps, Ta-Cheng Loo and Ross M. Evan-Iwanowski, EM3:Jun 64:255:3956
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- Face-Wrinkling Mode of Buckling of Sandwich Panels, Billy J. Harris and W.C. Crisman, EM3:Jun 65:93:4370
- Film Flow Along a Vertical Cylinder, Nabil A. Hassan and Joseph B. Franzini, EM4:Aug 64:23:3995
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- Finite Beam-Columns on Elastic Foundation, K.T. Sundara Raja Iyengar and S. Anatharam, EM6:Dec 63:139:3720
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- Finite Element Analysis of Axis-Symmetric Solids, Ray W. Clough and Yusef Rashid, EM1:Feb 65:71:4229
- Flow-Induced Structural Vibrations, Gerrit H. Toebes, EM6:Dec 65:39:4564
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- Generation of Artificial Earthquakes, G.W. Housner and P.C. Jennings, EM1:Feb 64:113:3806
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- Grid-Framework Method for Plates in Flexure, Alan L. Yettam and Husain M. Husain, EM3:Jun 65:53:4361
- Heat Analysis-A Tensorial-Dimensional Approach, Sidney F. Borg, EM6:Dec 65:145:4584
- Inelastic Lateral-Torsional Buckling of Beam Columns, Constancio Miranda and Morris Ojalvo, EM6:Dec 65:21:4563
- Irrrotational Flow Over Spillways of Finite Height, John J. Cassidy, EM6:Dec 65:155:4591
- Lamella Beams and Grids, Donald L. Dean, EM2:Apr 64:107:3869
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- Large Strain Analysis and Stresses in Linear Materials, August J. Durelli and Alfred P. Mulzet, EM3:Jun 65:65:4367
- Limit Analysis of Circular Orthotropic Plates, Toshio Mura, Jao-Shiun Kao, and Seng-Lip Lee, EM5:Oct 64:375:4109
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- Linear Strain Hardening of Cylindrical Shells, B.J. Thorn and S.L. Lee, EM4:Aug 64:97:4007
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- Load-Deformation Behavior of Shells of Revolution, Steven C. Batterman, EM6:Dec 64:1:4167
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Parametric Expansions for Oval Reinforced

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ture, Paul C. Jennings, EM2:Apr 64:131:3871

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Random Vibrations of a Beam Column,

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Relief of Residual Stresses by Heating Patterns,

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Resonance Testing of Full-Scale Structures,

Donald E. Hudson, EM3:Jun 64:1:3923

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Response of a Cylindrical Shell to an Elastic

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Response of Models to Water-Shock Loading,

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Seismic Analysis of Bridges on Long Piles,

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Series Solution of Skewed Plates, J.B. Kennedy

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Shock and Reflection in a Nonlinear Medium,

Paul Weidlinger, EM3:Jun 65:147:4375

Shock Response of a Simple Beam on Nonlinear

Supports, Theodore R. Taichert and Robert S.

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Stochastic Model for Predicting Subsidence,

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Stresses in a Layered Half-Plane, K.T.

Sundara, Raja Iyengar and R.S. Alwar, EM4:

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Stresses in a Uniformly Loaded Two-Layer

Circular Plate, Martin A. Goldberg, Malcolm

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Stresses in Hyperboloids under Edge Loadings,

David G. Elms, David P. Billington, and Robert

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Thermal-Shock Effects on a Space Vehicle,

Lewis Li-Tang Au and Donald J. Trent, EM4:

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Two Degree-of-Freedom Elastoplastic Re-

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Anderson, EM5:Oct 65:191:4524

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Vibrational Transfer from Shear Buildings to

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Vibration of Thin Shells under Initial Stress,

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Vibrations and Stability of Buckled Panels,

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- Von Mises Transformation for Boundary Layer Theory, Chieh-Shyang Song, EM2:Apr 64:17:3861
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- Wave Propagation in Elastic-Plastic Solids, R.L. Bjork and C.Y. Liu, EM5:Oct 65:77:4506

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- British Institution of Civil Engineers elects ASCE Member as 100th president, CE:Jan 65:94

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- ASCE members elected to Academy of Engineering, CE:May 65:45
- Education for Sanitary Engineers, E. Sherman Chase, PP2:May 64:15:3894
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- Effect of the Space Age on the Engineering Profession, R.W. Johnson, PP1:Jan 64:1:3747
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- Interdisciplinary Education for Urban Planning, Harold L. Michael, PP1:Jan 64:29:3751
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- Professional Development-The Student's Responsibility, James R. Wright, PP1:Jan 64:9:3748
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- Some Ethical Implications of Professional Planning, James M. Abernathy, PP2:May 64:23:3896
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- Surveyors' Footsteps, W.C. Wattles, SU3:Oct 63:1:3659
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- Carl Frey elected secretary of EJC, CE:Feb 65:45
- EJC publishes symposium on "Relationships between Engineering Societies and Industry," CE:Jun 65:81
- EJC reports that engineering faculty salaries increase CE:Sep 65:44
- Engineering Manpower Commission of EJC reports salaries, 1962-1964, CE:Feb 65:44
- Engineering Manpower in Profile published by EJC and National Science Foundation, CE:Sep 65:77
- Handbook on selective service issued by EJC, CE:May 65:80
- Presents honorary awards, CE:Mar 65:74

ENVIRONMENTAL ENGINEERING

- American Sanitary Engineering Intersociety Board to broaden its activities, CE:Aug 65:89
- ASCE Environmental Engineering Conference and Annual Meeting, Kansas City, Mo., Oct 18-22, Program CE:Aug 65:76; Sep 65:76; Report, Nov 65:56
- See also Cole-Weather Construction
- Closed Ecological Systems, William J. Oswald, Clarence G. Golueke, and D.O. Horning, SA4:Aug 65:23:4445
- Comprehensive Flood Damage Prevention, John W. Weathers, HY1:Jan 65:17:4193
- Digital Computers and Environmental Control, Gordon P. Fisher and Walter R. Lynn, PP1:Jan 64:15:3749
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Educational Considerations for Environmental Engineering, Robert L. Smith, HY1:Jan 65:9:4191

Environmental Behavior of Nuclear Debris, Conrad P. Straub, Melvin W. Carter, and Dade W. Moeller, SA6:Dec 64:25:4159
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Environmental Effects of Flood Plain Regulations, Eugene W. Weber and Walter G. Sutton, HY4:Jul 65:59:4402

How a Waterway Improvement Changed Environment, Robert B. Nichols, WW4:Nov 63:1:3690

- TR:130:641
- Roadside Planting in California, W.L. Warren, CE:Aug 64:67
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- Sanitary Engineering in Alaska, Amos J. Alter, CE:Mar 64:48
Dec: Neil L. Drobny, CE:May 64:62
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- Sewage Lagoons and Man's Environment, Jerome H. Svore, CE:Sep 64:54
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- Surveying and Mapping and Environmental Engineering, William T. Pryor, SU2:Jul 64:1:3961
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- Epoxy-Lined Pipe Reduces Cost of San Buenaventura Trunk Sewer, Alvin J. Hotz, Jr., CE:Sep 64:64
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- Massachusetts--Tunnel under Boston's Prudential Center painted cheaply with epoxy, CE:Sep 65:89
- Photosensitive Plastics Extend the Range of Photoelastic Stress Studies, John P. Cook, CE:Nov 65:87

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- Cellular Concrete Block Revetment, D.A. Parsons and R.P. Apmann, CE:Feb 65:66
- Erosion and Deposition of Cohesive Soils, Emanuel Partheniades, HY1:Jan 65:105:4204
- Sediment Transportation Mechanics: Nature of Sedimentation Problems: Progress Report by the Task Committee on Preparation of Sedimentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:251:4260
- Sediment Transportation Mechanics: Wind Erosion and Transportation: Progress Report by the Task Committee on Preparation of Sedimentation Manual, ASCE, Vito A. Vanoni, Chmn, HY2:Mar 65:267:4261
- Stabilization of Sand Dunes at Vandenberg Air Force Base, John Peters and Joe Sciandrone, SM4:Jul 64:97:3976
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- Study of Channel Erosion and Sediment Transport, Carl F. Nordin, Jr., HY4:Jul 64:173:3984
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- Pumping Plant Operation and Maintenance Costs, John M. Eyer, IR4:Dec 65:37:4579

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 Estuarine Distribution of Nonconservative Substances, Donald J. O'Connor, SA1:Feb 65: 23:4225

Mathematical Model for Dissolved Oxygen, Robert V. Thomann, SA5:Oct 63:1:3680

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Tidal Characteristics of Two Estuaries in Florida, William B. Stelzenmuller, WW3: Aug 65:25:4431

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Consulting Engineering in Foreign Countries, E. Montford Fucik, PP1:Jan 64:37:3760

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Ethics and Municipal Engineers in Private Practice, Francis Pandullo, PP2:Sep 65:1:4455
 Some Ethical Implications of Professional Planning, James M. Abernathy, PP2:May 64: 23:3896

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The Value of Management in the Construction Industry, H.C. Turner, Jr., CE:Feb 64:59

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- Welded Constructional Alloy Plate Girders, P.B. Cooper, H.S. Lew, and B.T. Yen, SA1:Feb 64:1:3784
- TR:130:123

THERMOELECTRIC POWER GENERATION

- Georgia--River Bypass Boosts Efficiency of Power Plant on Chattahoochee River, CE:Nov 65:88

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- Simple Apparatus for Producing Model Tides, Johan Albert Zwamborn, HY2:Mar 65:39:4250
- Tidal Characteristics of Two Estuaries in Florida, William B. Stelzenmuller, WW3:Aug 65:25:4431
- Waste Disposal in Tidal Waters, Alex N. Diachishin, SA4:Aug 63:23:3602
- TR:130:563
- Yearly Sea Level Variations for the United States, Steacy D. Hicks and William Shofnos, HY5:Sep 65:23:4468

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An Experiment on Flow Through Smooth Tile Joints, A.F. Pillsbury, E.H. Taylor, R.W. Pellishek, and J.F. Osborn, CE:Oct 64:67

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Tile Drainage Performance, Coachella Valley, California, Arthur F. Pillsbury, J.R. Spencer, William R. Johnston, and L.O. Weeks, IR2: Jun 65:1:4344

Transient Design of Drainage Systems, Jan van Schilffgaarde, IR3:Sep 65:9:4458

Two-Dimensional Infiltration and Wetting Fronts, Sadik Toksoz, Don Kirkham and E. Robert Baumann, IR3:Sep 65:65:4477

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Utah--A National Forest at Vernal Goes Modern, D.G. Dalley, CE:Sep 65:67

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ASCE Structural Division conference on wood held in Chicago, June 9-11, CE:Apr 65:84; Program, May 65:71

Details that Cause Failure in Timber Truss Design, Paul Gordon, CE:Oct 65:74

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Daylight Star Observations in Antarctica, Douglas R. Lee, SU2:Jul 64:75:3971

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Stadia--an Automatic Data Input Assembler for Topographic Surveys, Paul D. Spindel, CE: May 65:51

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Network Analysis of Structures, Frank L. Di Maggio and William R. Spillers, EM3:Jun 65: 169:4376

TORSION

Bending and Buckling of Thin-Walled Open-Section Rings, James A. Cheney, EM5:Oct 63: 17:3665

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Elastic Torsional Analysis of Irregular Shapes, Leonard R. Herrmann, EM6:Dec 65:11:4562

Torsion of Structural Shapes, I.A. El Darwish and Bruce G. Johnston, ST1:Feb 65:203:4228

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A Study of Guyed Towers, John E. Goldberg and V. James Meyers, ST4:Aug 65:57:4438

Buckling of Three-Legged Columns with Batten Bracing, Jorge Y. Tamayo and Morris Ojalvo, ST1:Feb 65:141:4224

Canada--Ship-formed observation tower for Niagara Falls, CE:May 65:87

Deflection of tall guyed tower in Dallas, J.K. Groseclose, CE:Nov 64:68

Dsc, Jacob Feld, CE:Feb 65:67

TR:130:571

Dynamic Behavior of Massive Guy Cables, Alan G. Davenport and George N. Steels, ST2:Apr 65: 43:4293

Florida--Criteria for Construction in Creating Another Cape Kennedy Colossus, George H. Kirkland, CE:Oct 65:59

Steel Offshore Towers as Navigation Aids, J.V. Ruffin, CE:Nov 65:72

The Bow Mooring for Berthing Tankers, Leonard E. Van Houten and G.A. McCammon, CE:Mar 64:60

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Tilt and Deflections of Tapered Polygonal Towers, Ralph J. Pschunder, ST3:Jun 65:151: 4373

Virginia--Construction of Chesapeake Light Station, John W. Fowler, CE:Nov 65:76

Virginia--Towers for a 500-kv Transmission Line, S.D. Alpert and J.D. Shaw, CE:Feb 65:52

Yugoslavia--Belgrade gets new TV tower, CE: Sep 65:87

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Dispersion Measurement in Open Channels, Calvin C. Patterson and Earnest F. Gloyna, SA3:Jun 65:17:4347

Time of Travel of Soluble Contaminants in Streams, Thomas J. Buchanan, SA3:Jun 64:1: 3932

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TRAFFIC

Analytical Methods in Transportation: Digital Simulation of Traffic, Aaron Glickstein, EM6: Dec 63:1:3709

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Analytic Methods in Transportation: Left Turn Penalties in Traffic Assignment Models, Joseph A. Wattleworth and Paul W. Shuldiner, EM6: Dec 63:97:3729

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Analytic Methods in Transportation: Mathematical Car-Following Theory of Traffic Flow, Denos C. Gazis, Robert Herman, and Richard W. Rothery, EM6:Dec 63:29:3724

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Deficiencies of Urban Transportation Studies, Roy E. Jorgensen, HW2:Dec 65:17:4568

Electronic Guidance for Highway Safety, John J. O'Mara, CE:Oct 64:38

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High Density Vehicular Flow/Density Relationships, Danilo M. Garcia and John Hugh Jones, HW2:Dec 65:37:4581

New York--TV expedites traffic in Lincoln Tunnel, CE:Oct 65:105

Traffic Accident Study on Milwaukee Expressway, Bruce A. Lind and H. Hong, HW1:Jan 65:25: 4205

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Evaluating Urban Transportation Systems, George Haikalis and E. Wilson Campbell, CP1: Sep 63:1:3626

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Canada--Hydro Development of the Manicouagan and Outardes Rivers in Quebec, Benoit Baribeau, CE:Dec 65:53

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- Increasing the Efficiency of Helicopters on
Transmission-Line Construction, E.S. Zobel
and R.A. Kravitz, CE:Jun 64:72
Dsc: L.H.J. Cook, CE:Sep 64:68
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Short Span Sag Calculations with Insulator
Bells, Thomas E. Leland, PO1:May 65:11:4317
Virginia--Towers for a 500-kv Transmission
Line, S.D. Alpert and J.D. Shaw, CE:Feb 65:52

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- Airport Accessibility Affects Passenger De-
velopment, John F. Brown, AT1:Apr 65:47:4302
Airports and Transit Systems--the Engineer's
Challenge, J.K. Carr, CE:Apr 65:38
Dsc: Herbert C. Westfall, CE:Jun 65:72
ASCE Transportation Engineering Conference,
Minneapolis, Minn., May 17-21, CE:Mar 65:42;
Program, Mar 65:65; Report, Jun 65:44
Dsc: L.A. Moorhouse, CE:Sep 65:73
ASCE Transportation Engineering Coordinat-
ing Committee recommends Technical Council on
Urban Transportation, CE:Aug 65:95
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Planning, Thomas J. Fratar, HW2:Dec 65:11:
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Comprehensive Urban Transportation Study
Methods, Ralph A. Moyer, HW2:Dec 65:57:4575
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Transit System, William A. Bugge, Leslie Irvin,
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Pulling, AT1:Apr 65:1:4296
Interstate = Benefits (Lives + Dollars), Frank
Schneller, CE:May 65:33
Long Range Potential of VTOL Aircraft, R.H.
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Marshall F. Reed, Jr., HW2:Dec 65:27:4571
Metropolitan Transportation Problem, Harland
Bartholomew, UP1:Jul 65:7:4391
New Ways to See Land Use and Transportation,
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Planning Public Mass Transportation, Henry D.
Quinby, HW1:Jan 65:15:4190
Report on Engineering Foundation's Research
Conference on Urban Transportation, Aug. 26-
30, 1963, CE:Apr 64:34
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- Transportation Centers, Wilbur S. Smith, UP1:
Jul 65:19:4396

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- Double Summation of Errors in Aerial Triangu-
lation, Gordon Gracie, SU2:Sep 65:13:4467
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- Analysis of Truss-Plate Structures, James W.
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- California--Under-water tube under construc-
tion for BARTD, CE:Oct 65:103
Dynamic Response of a Tube Under Moving
Pressure, Sing-chih Tang, EM5:Oct 65:97:4508
Underground tube urged for high-speed North-
east travel CE:Sep 65:86

TUNNELING (Excavation)

- British Grouting Practice on Granular Materi-
als, William E. Perrott, SM6:Nov 65:57:4542
California--Joint-venture group has low bid
for Carley V. Porter Tunnel, CE:Sep 65:89
Colombia--Flow Slides Prove Hazardous in
Tenche Tunnel and Diversion Tunnel for Mira-
flores Dam, C.Y. Li, CE:Dec 64:51
Dsc: by author, CE:Jun 65:72
Colorado--Reclamation Firsts: Underground
Power Plant at Morrow Point Dam, B.P.
Bellport, CE:Feb 65:40
Europe--Mont Blanc tunnel connects France
and Italy, CE:Sep 65:90
Europe--Work on Spanish-French tunnel under
Pyrenees to begin, CE:Sep 65:88
Machine Tunneling For Storm Sewer Under
Houston, W.D. Murphy, CE:Sep 64:44
TR:130:393
Machine Tunneling in Chicago Clays, Robert S.
Mayo, CE:Feb 64:60
TR:130:160
Machine Tunneling on Missouri River Dams,
Lloyd B. Underwood, CO1:May 65:1:4314
Scotland--Possible world tunneling record set
in Mhoille aqueduct tunnel, CE:Jul 65:88
Underground NORAD Command Center at
Colorado Springs, Theodore O. Blaschke, CE:
May 64:36
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TUNNELS (Transportation)

- A Tunnel Favored for English Channel Cross-
ing, John O. Bickel, CE:Jul 64:35
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Canada--Bridge-tunnel to connect New Bruns-
wick and Prince Edward Island, CE:Sep 65:90
Colorado--Exploratory tunnel driven through
Continental Divide, CE:May 65:86
Design and Performance of Mammoth Pool
Power Tunnel, Bruce R. Lavery and Klaus R.
Ludwig, PO1:Sept 63:9:3642
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TUNNELS (Transportation) Continued

- Massachusetts--Tunnel under Boston's Prudential Center painted cheaply with epoxy. CE: Sep 65:89
- New York--Lincoln Tunnel receives new pavement. CE:Jun 65:93
- Stresses at Tunnel Intersections, William F. Riley. EM2:Apr 64:167:3875
- TR:130:615
- Subway Tunnel Construction in New York City, Gail B. Knight. CO2:Sep 64:15:4032
- TR:130:503
- The Amazing Pennsylvania Canals. W.H. Shank. CE:Jan 65:66
- The Netherlands--Rotterdam's Rapid Transit Tunnel. Ir G. Plantema. CE:Aug 65:34
- Virginia--Chesapeake Bay Bridge-Tunnel project given ASCE's OCEA Award. CE:May 65:44

TURBINES

- Arkansas--Turbines ordered for Ozark Dam project on Arkansas River. CE:Nov 65:116
- Flow Measurements at Columbia River Power Plants, Nicholas A. Dodge. HY2:Mar 65:125:4263

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- Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadarajulu. SM5:Sept 63:1:3631
- TR:130:474
- Secondary Currents in a Corner, James A. Liggett, Chao-Lin Chiu, and Ling S. Miao. HY6: Nov 65:99:4538
- Submerged Hydraulic Jump, Nallamuthu Rajaratnam. HY4:Jul 65:71:4403
- Turbulence Measured by Electrokinetic Transducers, Hsing Chuang and Jack E. Cermak. HY6:Nov 65:1:4526
- Turbulent Flow in a Three-Dimensional Channel, Hubert J. Tracy. HY6:Nov 65:9:4530
- Turbulent Non-Newtonian Velocity Profiles in Pipes, Iraj Zandi and Ronald H. Rust. HY6: Nov 65:37:4532
- Wind Driven Water Currents, W. Douglas Baines and Douglas J. Knapp. HY2:Mar 65:205:4270

UNDERGROUND STORAGE

- Storage Containers For Liquefied Natural Gas, P.J. Anderson and A.R. Khan. CE:Aug 65:65

UNDERPASSES

- Colorado--70-ft Underpass of Corrugated Steel Pipe for Broadmoor Hotel, Colorado Springs, Nick Pinello. CE:Nov 65:84

UNDERWATER CONSTRUCTION

- Criteria for Planning an Offshore Pipeline, Joe L. Krieg. PL1:Jul 65:15:4407

UNION OF SOVIET SOCIALIST REPUBLIC

- Regulation of the Caspian Sea, Otakar W. Kabelac. WW1:Feb 64:103:3794
- TR:130:609

UNIONS

- Collective Bargaining for Municipal Engineers, Herman P. Zanoni. CE:Sep 65:50
- To Bargain or Not to Bargain, E. Lawrence Chandler. CE:Aug 65:41

UNITED ENGINEERING TRUSTEES

- Officers elected for coming year. CE:Feb 65:72

URBAN DEVELOPMENT

- Aesthetic Considerations in City Construction, Vernon F. Jorgensen. UP1:Jul 65:1:4389
- Canada--Toronto Office-Building Complex Breaks Records, John L. Kellermann. CE:May 65:62
- Illinois--First National Bank Building to be built in Chicago Loop. CE:Oct 65:105
- Maryland--Baltimore wins honors for urban renewal. CE:Feb 65:83
- Massachusetts--Boston dedicates Prudential Center. CE:Jun 65:91

URBAN PLANNING

- Aesthetic Considerations in City Construction, Vernon F. Jorgensen. UP1:Jul 65:1:4389
- Aesthetic Design of Electric Distribution Lines, Thomas A. Betterworth. UP1:Jul 65:31:4400
- Airports and Transit Systems--the Engineer's Challenge, J.K. Carr. CE:Apr 65:38
- Dsc: Herbert C. Westfall. CE:Jun 65:72
- ASCE Committee on Land Use plans ASCE publication on urban planning. CE:Jul 65:80
- ASCE Urban Planning and Development Division conference, San Juan, Puerto Rico, Oct. 28-29, Program. CE:Sep 65:70
- Avoiding Utility Interference Underground, Hertel Missimer. CE:Sep 65:36
- California--San Francisco's Golden Gateway development (a symposium): M. Justin Herman, William W. Moore, Stanley E. Teixeira, Don Gillis. CE:Jan 64:31
- TR:130:17
- Civil Engineering in Urban Transportation Planning, Thomas J. Fratar. HW2:Dec 65:11:4560
- Comprehensive Urban Transportation Study Methods, Ralph A. Moyer. HW2:Dec 65:57:4575
- Designing the San Francisco Bay Area Rapid Transit System, William A. Bugge, Leslie Irvin. CE:Oct 64:58
- TR:130:559
- Engineering Principles of Urban Transportation Planning, Kurt W. Bauer. HW2:Dec 65: 1:4559
- Factors Considered in Urban Transportation Planning, Charles G. Beer. HW2:Dec 65:51:4582
- Financing Urban Transportation, T.R. Todd and Robley Winfrey. HW2:Dec 65:89:4588
- Jackson, Miss. in 2039 A.D., CE:Apr 65:59
- Dsc: George C. Stewart. CE:Jul 65:75
- Meeting Future Surface Transportation Needs, Marshall F. Reed, Jr. HW2:Dec 65:27:4571
- Metropolitan Transportation Problem, Harland Bartholomew. UP1:Jul 65:7:4391
- New Ways to See Land Use and Transportation, J. Douglas Carroll, Jr., CE:Aug 64:62
- TR:130:365

URBAN PLANNING Continued

Planning a National Airport System to Serve the 70's, Cole Morrow, CE:Aug 65:62

Planning Public Mass Transportation, Henry D. Quinby, HW1:Jan 65:15:4190

Rapid transit concept takes form at U.S. Steel, CE:Oct 65:104

The Civil Engineer in Urban Planning, W.H. Wisely, CE:Dec 64:37

Dsc, CE:Feb 65:67; William L. Grecco, Mar 65:64; Felipe U. Derteano, Apr 65:80;

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Transportation Centers, Wilbur S. Smith, UP1: Jul 65:19:4396

Urban Atmospheric Pollution, Albert F. Bush, CE:May 65:66

Dsc: Herbert E. Clark, Jr., CE:Jul 65:76;

M.I. Goldman, CE:Aug 65:74; Author's reply, Aug 65:75

User Criteria for Rapid Transit Planning, Paul J. Claffey, UP1:Sep 64:5:4029

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U.S. AIR FORCE

Underground NORAD Command Center at Colorado Springs, Theodore O. Blaschke,

CE:May 64:36

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U. S. BUREAU OF RECLAMATION

California--USBR establishes Fresno office for Westlands Water District irrigation-distribution system. CE:Jun 65:95

Montana--Yellowtail Dam to be completed in spring of 1966, CE:Nov 65:112

U. S. GOVERNMENT

A New and Better Foreign Technical Assistance Program, John S. Hale, CE:Jul 65:62

Dsc: I. Khwaja, CE:Oct 65:80

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Chile--Seabees Give Technical Assistance in Chile, Leroy D. Lawson, CE:Feb 65:47

Cuba--Seawater conversion plant for

Guantanamo Naval Base, CE:Apr 65:99

Military Engineering in Vietnam, Peter A. Corradi, CE:Nov 65:47

New Chief of Bureau of Yards and Docks appointed, CE:Oct 65:105

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Effects of Driving Displacement Piles in Lean Clay, Wesley G. Holtz and Clemith A. Lowitz,

SM5:Sep 65:1:4476

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Aesthetic Design of Electric Distribution Lines, Thomas A. Bettersworth, UP1:Jul 65:31:4400

Alaska--Utilities for a Relocated Town in

Valdez, James W. Poirot, CE:Mar 65:50

Avoiding Utility Interference Underground, Hertel Missimer, CE:Sep 65:36

Canada--Winnipeg Favors Utility Construction in Winter, W.S. Brock, CE:Jul 65:66

Electric utilities plan large construction program in Middle Atlantic states, CE:Apr 65:98

Houston's Jetero Airport: Development of Terminal and Related Areas, Robert O. Grimes, AT1:Apr 63:27:3487

TR:130:263

Interest on Capital Invested in Construction, J.F. Muir and Eugen Ruus, PO1:Sept 63:1:3622

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Navigation Locks: Navigation Lock Gates and Valves, George C. Richardson, WW1:Feb 64:

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Construction Finishes and High-Velocity Flow, James W. Ball, CO2:Sept 63:91:3646

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Horizontal Jets in Stagnant Fluid of Other Density, Gerrit Abraham, HY4:Jul 65:139:4411

Shear and Velocity Distribution in Shallow Channels, H. Lundgren and Ivar G. Jonsson, HY1:Jan 64:1:3752

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Turbulent Non-Newtonian Velocity Profiles in Pipes, Iraj Zandi and Ronald H. Rust, HY6:

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Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565

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Von Mises Transformation for Boundary Layer Theory, Chieh-Shyang Song, EM2:Apr 64:17:3861

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VERTICAL TAKE-OFF PLANES

Long Range Potential of VTOL Aircraft, R.H. Miller, AT2:Oct 65:13:4487

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Aeroelastic Vibration of a Steel Arch, Richard R. Bradshaw, ST3:Jun 64:1:3921

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Alabama--Low Cement Content for Mass Concrete in TVA's Gunter'sville Lock, J.C. McCraw, CE:Nov 65:70

Dynamic Response of a Tube Under Moving Pressure, Sing-chih Tang, EM5:Oct 65:97:4508

Dynamic Stability of Axially Vibrating Columns, I.K. McIvor, EM6:Dec 64:191:4177

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Experiences with Flow-Induced Vibrations, William P. Simmons, HY4:Jul 65:185:4414

Flow-Induced Structural Vibrations, Gerrit H. Toebe, EM6:Dec 65:39:4564

Flow-Induced Vibrations--Experience of TVA with Hydraulic and Other Structures, James T. Price, CE:Apr 65:61

Form-Induced Hydraulic Forces on Three-Leaf Intake Gates, Rex A. Elder and Jack M. Garrison, HY3:May 64:215:3905

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Free Vibrations of Conical Shells, V.I. Weingarten, EM4:Aug 65:69:4440

Lumping of Mass in Calculating Vibration Response, V.H. Neubert, EM1:Feb 64:47:3801

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- On a Kind of Hysteretic Damping, Emilio Rosenbluth and Ismael Herrera, EM4:Aug 64: 37:3999
 TR:130:521
- On the Shock Response of Inelastic Beams, Kenneth E. Blanchard and Albert B. Schultz, EM5:Oct 65:27:4500
- Random Vibration of a Beam Column, Masanobu Shinozuka and L. Henry, EM5:Oct 65:123:4510
- Resonance Testing of Full-Scale Structures, Donald E. Hudson, EM3:Jun 64:1:3923
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- Response of Structures to Triangular Pulse Loading, Tseng Huang, ST2:Apr 64:55:3862
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- Vibrational Transfer from Shear Buildings to Ground, Lydik S. Jacobsen, EM3:Jun 64:21:3924
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- Vibration of Gas Compressor Foundation Controlled by Chemical Grouting, Gregory P. Tschebotarioff, CE:May 64:34
 TR:130:253
- Vibrations and Stability of Buckled Panels, Yao W. Chang and Ernest F. Masur, EM5: Oct 65:1:4497

VISCOSITY

- Added Mass of a Sphere in a Bounded Viscous Fluid, Kenneth G. McConnell and Donald F. Young, EM4:Aug 65:147:4448
- Slow Viscous Flow of an Incompressible Suspension, Gerhard Oertel, EM5:Oct 65:145:4517
- Turbulent Non-Newtonian Velocity Profiles in Pipes, Iraj Zandi and Ronald H. Rust, HY6: Nov 65:37:4532

VOCATIONAL GUIDANCE

- Review of book, "A Definitive Study of Your Future in Civil Engineering," by Alfred R. Golze, CE:Jan 65:39

WALLS

- National Brick and Tile Bearing Wall Conference advocates bearing walls, CE:Jul 65:84

WAREHOUSES

- Alternate Design Proves Economy of Precast Prestressed Design for Seattle Pier Shed, Wheeler H. Rucker, Jr., CE:May 64:42
 TR:130:231
- Composite Design Cuts Cost of Small Warehouse, Edward B. Finkel, CE:Aug 65:46
- Paving Roof Decks and Industrial Floors, Lansing Tuttle, CE:Jul 64:58
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- Sweden--Building Foundation Built as a Caisson for Port Storage in Stockholm, Hal W. Hunt, CE:Jan 65:60

WASTE DISPOSAL

- An Oxidation Pond as a Tertiary Treatment Device, Raymond C. Loehr and Ralph L. Stephenson, SA3:Jun 65:31:4351
- Closed Ecological Systems, William J. Oswald, Clarence G. Golueke, and D.O. Horning, SA4: Aug 65:23:4445

- Compartmentalization of Aeration Tanks, William F. Milbury, Wesley O. Pipes, and Robert B. Grieves, SA3:Jun 65:58:4362
- Conference of State Sanitary Engineers releases report on municipal waste treatment needs, CE:Sep 65:89
- Environmental Hazards of Radioactive Wastes, Joe O. Ledbetter, SA1:Feb 65:58:4237
- Evaluation of Two Aerated Lagoons, Ross E. McKinney and Henry H. Benjes, Jr., SA6: Dec 65:43:4589
- Hog Waste Disposal by Lagooning, Charles E. Clark, SA6:Dec 65:27:4567
- Incineration (Symposium): Lenard S. Wegman, Junius W. Stephenson, Robert L. Stenburg, Harold G. Meissner, CE:Sep 64:35
 TR:130:491
- Lightweight Aggregate Prepared from Fly Ash by Consolidated Edison in New York City, A.S. Pearson, CE:Sep 64:50
 TR:130:411

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- Heat Generation by Radioactive Wastes, Earnest F. Gloyne, H.J. Longley, and C.W. Christenson, SA1:Feb 64:43:3793
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- Two-Dimensional Infiltration and Wetting Fronts, Sadik Toksoz, Don Kirkham and E. Robert Baumann, IR3:Sep 65:65:4477

WATER

- Federal Versus State Interests in Water Development, Harvey O. Banks, IR1:Mar 65:31:4246
- Water Management on Ricelands in Louisiana, Lester F. Lawhon and Louis W. Herndon, IR4: Dec 65:23:4569

WATER CONSUMPTION

- Effects of Competition on Efficiency of Water Use, Jay M. Bagley, IR1:Mar 65:69:4252

WATER DISTRIBUTION

- A Solution of the Irrigation Advance Problem, Otto Wilke and Ernest T. Smerdon, IR3:Sep 65: 23:4471
- Desirable Features of Water Rights Laws, Dan S. Jones, Jr., IR4:Dec 63:1:3711
 TR:130:512
- Effects of Competition on Efficiency of Water Use, Jay M. Bagley, IR1:Mar 65:69:4252

WATER FLOW

- A Simple Method for Determining Water-Surface Profiles J.F. Harp, CE:Oct 65:85
- Computer Analysis of Overland Flow, James R. Morgali and Ray K. Linsley, HY3:May 65:81: 4325
- Experiences with Flow-Induced Vibrations, William P. Simmons, HY4:Jul 65:185:4414
- Flow Measurement with a Suspension Wire, Bruce B. Sharp, HY2:Mar 64:37:3821
 TR:130:467
- Great Lakes--Corps of Engineers begins "oceanography" studies, CE:Nov 65:116
- Irrrotational Flow Over Spillways of Finite Height, John J. Cassidy, EM6:Dec 65:155:4591

WATER FLOW Continued

Laminar and Turbulent Flow of Water Through Sand, M. Anandakrishnan and G.H. Varadara-julu, SM5:Sept 63:1:3631

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New York--Study of Hudson River river-flow and salt-content begun, CE:Nov 65:115

Practical Computations of Bed-Material Discharge, Bruce R. Colby, HY2:Mar 64:217:3843

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River Flood Flows, Forecasts and Probabilities, Michael C. Quick, HY3:May 65:1:4312

Secondary Currents in a Corner, James A. Liggett, Chao-Lin Chiu, and Ling S. Miao, HY6:Nov 65:99:4538

Study of Sediment Ripple Formation, A.J. Raudkivi, HY6:Nov 63:15:3692

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Temporary Flow Measurement in Sewers and Drains, M.H. Diskin, HY4:Jul 63:141:3574

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Unsaturated Flow in Ground Water Hydraulics, Herman Bouwer, HY5:Sep 64:121:4057

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Velocity of a Water-Hammer Wave in an Elastic Pipe, A.R. Halliwell, HY4:Jul 63:1:3565

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Water Right Engineering Under Appropriation System, Kenneth R. Wright, IRI:Mar 64:9:3818

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Withdrawal from Two-Layer Stratified Flows, Donald R.F. Harleman and Rex A. Elder, HY4:Jul 65:43:4398

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Pressure Generated by Cavitation in a Pipe, Wen-Hsiung Li and James P. Walsh, EM6:Dec 64:113:4168

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Rigid Water Column Theory for Uniform Gate Closure, Harold R. Vallentine, HY4:Jul 65:27:4386

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